## INTERNATIONAL SEARCH REPORT

International application No. PCT/NO 2004/000093

## A. CLASSIFICATION OF SUBJECT MATTER IPC7: E21B 29/04, E21B 31/00 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC7: E21B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SE.DK,FI,NO classes as above Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) **EPO-INTERNAL** C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category\* 1 - 4US 3327784 A (G.H. PARDUE), 27 June 1967 Α (27.06.1967) 1-4 EP 0898046 A2 (HALLIBURTON ENERGY SERVICE, INC.), A 24 February 1999 (24.02.1999) EP 1197631 A2 (SCHLUMBERGER TECHNOLOGY B.V. ET AL), 1-4 A 17 April 2002 (17.04.2002) 1 - 4EP 0552087 A2 (SCHLUMBERGER LIMITED ET AL), Α 21 July 1993 (21.07.1993) See patent family annex. Further documents are listed in the continuation of Box C. "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "O" document referring to an oral disclosure, use, exhibition or other document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search · **3** 0 -07- 2004 28 July 2004 Authorized officer Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Christer Bäcknert / MRo Telephone No. +46 8 782 25 00 Facsimile No. +46 8 666 02 86

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information on patent family members

30/04/2004

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